PORTABLE KEROSENE-HEATER
"OWNER'S MANUAL"

Dyna-Glo®

MODEL : WK11C8

UL® LISTED

Before the first use of this heater, please read this OWNER'S MANUAL very carefully. This OWNER'S MANUAL has been designed to instruct you as to the proper manner in which to assemble the heater, maintain the heater, store the heater, and most importantly, how to operate the heater in a safe and efficient manner, please keep this manual for future reference.

GHP Group, Inc.,
Morton Grove, IL 60053-3207, USA
TELEPHONE : 1-877-447-4768

4221-0112-00
07/08 Rev. 03

NEVER LEAVE THE HEATER UNATTENDED WHILE BURNING!

CAUTIONS
- SAFETY GUIDE -

1 WARNING!! RISK OF EXPLOSION / RISK OF FIRE

- **!** **NEVER** use any fuel other than water-clear 1-K kerosene.
- **!** **NEVER** use fuel such as gasoline, benzene, paint thinners or other oil compounds in this heater.
- **!** **NEVER** refill heater fuel tank when heater is operating or still hot.
- **!** **NEVER** use heater in areas where flammable vapors or gases may be present.
- **!** **NEVER** fill heater fuel tank in living space; fill tank outdoors.
- **!** **NEVER** store or transport kerosene in other than a metal or plastic container that is (1)acceptable for kerosene, (2) non-red in color, and (3) clearly marked "Kerosene". **NEVER** store kerosene in the living space; kerosene should be stored in a well ventilated place outside the living area.

! The unit is **EXTREMELY HOT** while in operation. Due to high surface temperatures, keep children, clothing, furniture, and other combustible objects at least 36" away from top and front area.

! RISK OF IN DOOR AIR POLLUTION
USE HEATER ONLY IN WELL VENTILATED AREAS. People with breathing problems should consult a physician before using the heater. In a house of typical construction, that is, one that is not of unusually tight construction due to heavy insulation and tight seals against air infiltration, an adequate supply of air for combustion and ventilation is provided through infiltration; however, if the heater is used in a small room where less than 200 cubic feet (5.7 m of air space is provided for each 1,000 BTU per hour of heater rating (considering the maximum burner adjustment), the door(s) to adjacent room(s) should be kept open or the window to the outside should be opened at least 1 inch (25.4 mm) to guard against potential buildup of indoor air pollution. DO NOT use the heater in a bathroom or any other small room with the door closed.

! **NEVER** use heater to heat or boil water or use as a cooking appliance.

2 WARNING!!
FAILURE TO INSTALL, MAINTAIN, AND/OR

OPERATE THIS KEROSENE HEATER ACCORDING TO MANUFACTURER'S INSTRUCTIONS MAY RESULT IN CONDITIONS WHICH CAN PRODUCE BODILY INJURY AND/OR PROPERTY DAMAGE.

NOTE: The **WARNING** and **IMPORTANT** instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur. It must be understood that common sense, caution, and carefulness are factors which cannot be built into this heater. These factors must be supplied by the person(s) installing, maintaining, or operating the kerosene heater.

Always contact your dealer, distributor, service agent, or the manufacturer on any problems or conditions you do not understand.

! **NEVER** leave heater operating if you intend to leave for any period of time. Always make sure to turn heater off and inspect to insure that it is completely extinguished prior to going to bed.

! **NEVER** leave heater unattended.

! **NEVER** use as a source of heat for drying objects.

! **NEVER** place objects on the top plate.

3 WARNING!! RISK OF BURNS

! **NEVER** operate the heater without the guard or grille completely attlached.

4 IF POOR QUALITY KEROSENE is used a rapid accumulation of carbon and tar is likely. This may cause a strong odor and will destroy the wick. Additional heater damage may occur as the wick becomes more difficult to adjust. The use of poor quality fuel could also make the wick very hard to extinguish. Always make sure the fire is out. (See page 12, Extinguishing the Heater.)

5 ADJUSTMENT OF ROOM TEMPERATURE can not be changed by adjusting the heater. A Kerosene heater is either on or off. There is no temperature adjustment. If heater output is reduced by lowering the wick in any way, improper combustion will occur producing odors and an accumulation of tar and carbon. If your room becomes too hot, open a door or a window or turn off the heater.

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE!!

NEVER LEAVE THE HEATER UNATTENDED WHILE BURNING!

CONTENTS OF OWNER'S MANUAL

ITEM	PAGE	ITEM	PAGE
CAUTIONS-SAFETY GUIDE	1	10 CARBON REMOVAL / DRY BURNING	8
1 INTRODUCTION	2	11 WICK ASSEMBLY	9
2 FEATURES	2	12 WICK REPLACEMENT	9
3 UNPACKING AND ASSEMBLY	3	13 EXTINGUISHING THE HEATER	12
4 KEROSENE (1-K ONLY)	4	14 AUTOMATIC SAFETY SHUT-OFF DEVICE	12
5 FUELING YOUR HEATER	5	15 LONG TERM STORAGE OF YOUR HEATER	13
6 AUTOMATIC IGNITION SYSTEM	6	16 TROUBLE SHOOTING GUIDE	14
7 CHECKING THE IGNITION SYSTEM	6	17 PARTS LIST	15
8 ADJUSTING THE WICK	7	18 EXPLODED PARTS DRAWING	15
9 WICK MAINTENANCE	8	19 SPECIFICATIONS	15

1 INTRODUCTION

Please read this OWNER'S MANUAL carefully. It will show you how to assemble, maintain, and operate the heater safely and efficiently to obtain full benefit from its many built-in features.

2 FEATURES

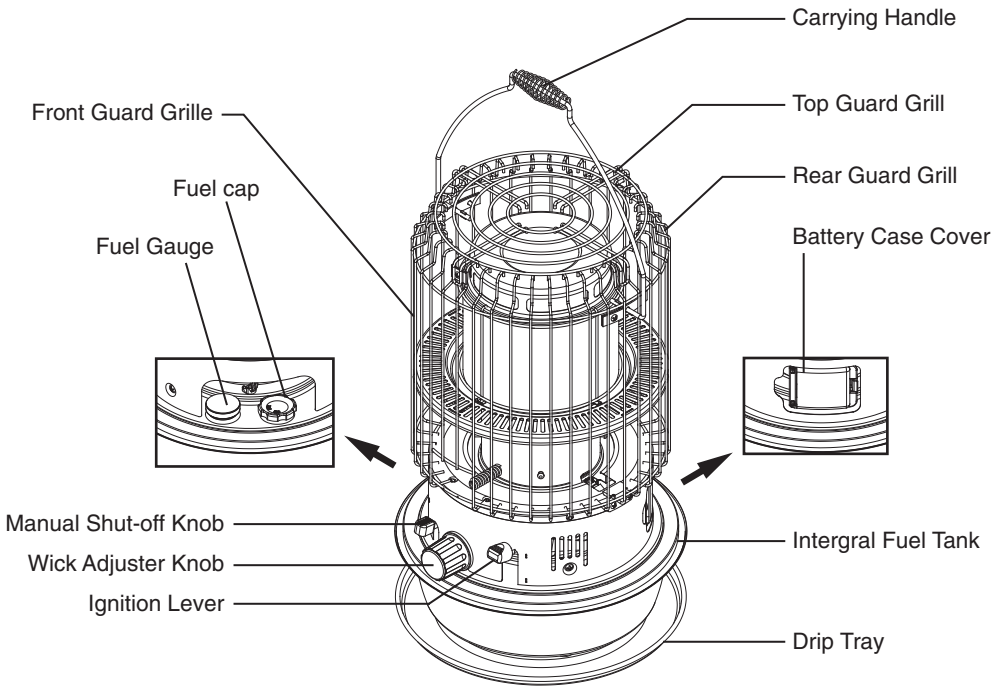


Fig. 1

NEVER LEAVE THE HEATER UNATTENDED WHILE BURNING!

3 UNPACKING AND ASSEMBLY

CAUTION: "RISK OF BURNS"

DO NOT OPERATE HEATER WITHOUT THE PROTECTIVE GUARD OR GRILLE.

1. REMOVE THE HEATER AND ALL PACKING MATERIALS FROM THE BOX. (Fig.2)

NOTE : Save the shipping carton and packing materials for future storage.
- Heater
- 2 “C” cell batteries
- Siphon pump
- 2 Screws

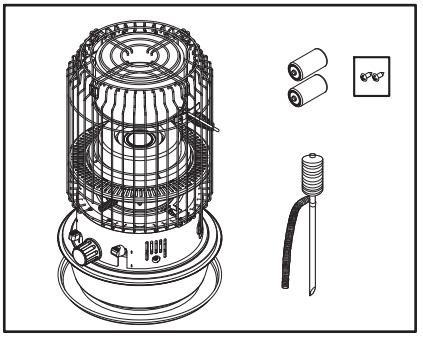


Fig. 2

2. ASSEMBLING PROCEDURE OF HEATER.

A) REMOVE THE TOP GRILL FROM HEATER AND UPPER PAD.

- Remove the PAD from the heater as described in Fig 3.
- Lift up Glass from Middle plate and remove Lower pad on Middle plate. (Fig 3)
- FIG 4 related.
- Place the Glass on the Middle plate.
- Place Top plate on the Glass.
- Assemble Grill Glass fix on the Middle plate.
- Align and insert 4 bended rods to Clipped Guides on Middle plate. (Fig 4)

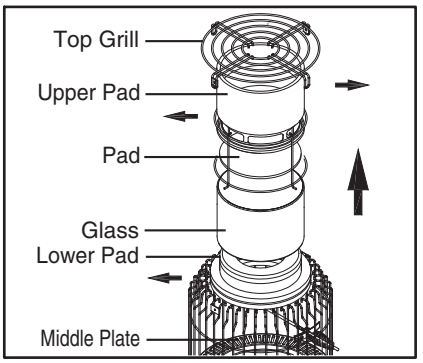


Fig. 3

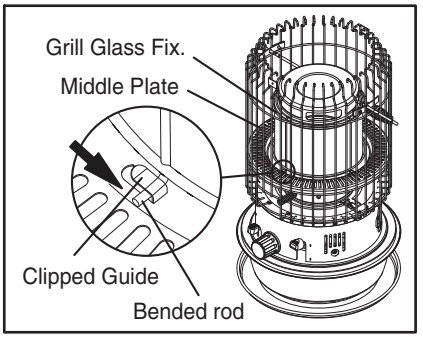


Fig. 4

- Align the 2holes on Top Grill with the 2 mounting holes on the Guard Grill as shown in Fg 5.
- Secure each holes with a screw.

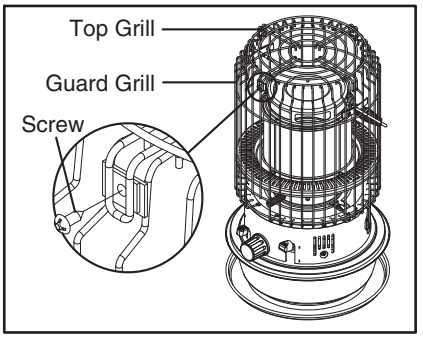


Fig. 5

NEVER LEAVE THE HEATER UNATTENDED WHILE BURNING!

B) INSTALLING BATTERIES (Fig 6)

- Battery holder is located on the back of the heater.
- Open the battery cover from the battery holder.
- Insert two “c” cell batteries according to the plus(+) and minus(-) markings inside of the holder.
- Replace the battery cover to the heater.

C) Now your heater is completely ready to use.

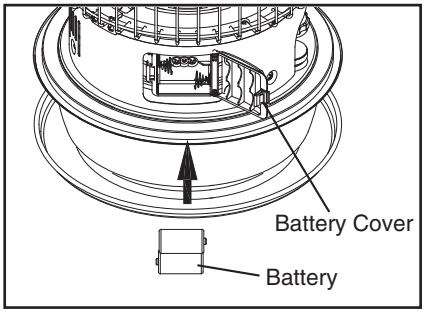


Fig. 6

④ KEROSENE (1-K ONLY)

It is **EXTREMELY IMPORTANT** to the operation of this heater that you use the proper grade of kerosene. The proper grade of kerosene is identified as **1-K Kerosene. DO NOT OPERATE THIS HEATER WITH ANY FUEL OTHER THAN 1-K KEROSENE!** 1-K Kerosene has been refined to virtually eliminate contaminants such as sulphur, which can cause a rotten egg odor during operation of the heater.

KEROSENE SHOULD ONLY BE STORED IN A BLUE CONTAINER THAT IS CLEARLY MARKED "KEROSENE". NEVER STORE KEROSENE IN A RED CONTAINER. Red containers are associated with gasoline.

NEVER store kerosene in the living space. Kerosene should be stored in a well ventilated place outside the living area.
NEVER use any fuel other than water-clear 1-K kerosene.
NEVER use fuel such as gasoline, benzene, alcohol, white gas, camp stove fuel, paint thinners, or other oil compounds in this heater. These are volatile fuels that can cause explosion or uncontrolled flames.

The best way to purchase kerosene is in a pre-packaged, metal or plastic, blue colored container. The second choice would be to buy it from a dealer who stores it in a 55 gallon drum. The third choice is to buy kerosene from a dealer who stores it in a large underground (or above ground) tank. Kerosene that is contaminated with even a small amount of water will prevent a kerosene heater from functioning properly. As you move from the first choice in purchasing kerosene (pre-packaged container) to the third choice (large storage tank), the likelihood of water being present from condensation increases.
If you purchase kerosene in bulk, know your dealer.

It is normal for a kerosene heater to give off a slight odor upon start-up and shut-down. After 5-10 minutes of operation, the heater should have reached its normal operating temperature and any odor should be very slight.

NEVER store kerosene in direct sunlight or near a source of heat.
NEVER use kerosene that has been stored from one season to the next. Kerosene deteriorates over time. **"OLD KEROSENE" WILL NOT BURN PROPERLY IN THIS HEATER.**

A variety of problems can result from using poor quality kerosene --- smoke, odor, low flame, difficult ignition, difficult shut-down, flame flickers and dies, excessive burning down of the wick, reduced wick life, wick adjuster sticking, excessive deposits on the wick, etc.. If you encounter any of the problems listed above, check your kerosene. If you discover that the kerosene is the problem, get a fresh supply of **WATER-CLEAR 1-K KEROSENE** before using your heater again.

NEVER LEAVE THE HEATER UNATTENDED WHILE BURNING!

5 FUELING YOUR HEATER

NEVER FILL THE HEATER FUEL TANK IN THE LIVING SPACE: FILL THE TANK OUTDOORS.

Before fueling the heater, take the heater, the kerosene, and the manual siphon pump outdoors. To use the manual siphon pump, tighten the cap on the top of the siphon, place the straight tube into the kerosene container, and insert the flexible tube into the opening of the fuel tank. By squeezing the bulb of the siphon pump, fuel will be transferred from the kerosene container into the heater tank. (Fig. 7) Carefully watch the fuel gauge beside of the opening of the fuel tank so that you will know when the tank is getting full. When you approach the full mark, loosen the cap on top of the siphon pump. This will stop the flow of kerosene. **DO NOT OVERFILL YOUR HEATER.** Allow the siphon pump to drain thoroughly before you remove it from the tank and the kerosene container.

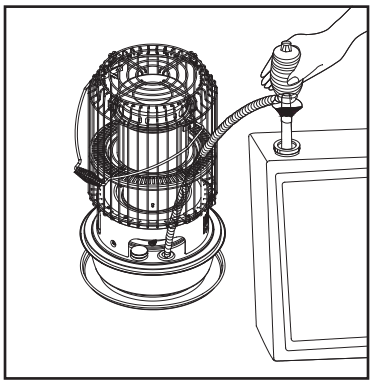


Fig. 7

After fueling the fuel tank of the heater by using siphon pump, make sure that you loosen (counter clock wise) the cap on the siphon pump to drain throughly the remaining kerosene in the siphon pump. For the reuse of siphon pump, make sure that you
tighten (clock wise) the cap on the siphon pump to transfer the kerosene into the fuel tank properly. (Fig.11)

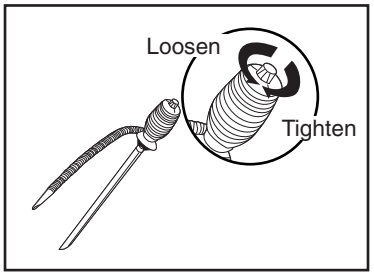


Fig. 8

IMPORTANT NOTICE REGARDING FUELING OF THE HEATER :
When fueling your heater for the first
time and any other time when the tank has been completely empty, as in "**Dry Burning**" (page 8) make sure
to **allow t**he wick to soak a minimum 60 minutes before you attempt to light the heater. (Take note of the
time you started to soak the wick or use a kitchen timer or wrist watch with an alarm feature) Failure to
properly soak the wick can trap air pockets in the wick causing the heater to burn poorly.
Premature ignition can destory your wick.

IMPORTANT NOTICE REGARDING FIRST IGNITION OF HEATER
The first time you light your heater there may be some odor due to the burning off of oils used in the
manufacturing process. To avoid this you may wish to burn the heater outside on a calm and windless day.
If it's windy consider a porch or garage or other room where the windows can be open to disperse the odor.

NEVER LEAVE THE HEATER UNATTENDED WHILE BURNING!

6 AUTOMATIC IGNITION SYSTEM

For safety and convenience, this heater features an automatic ignition system.
2 "C" cell batteries, included with the heater, provide the power for the igniter which lights the wick once it has been raised to its maximum height.

To use the automatic ignition system:

- Make sure the batteries have been installed.
- Turn the wick adjuster knob clockwise until the wick has been raised to its maximum height. (Fig. 9)
- Push the ignition lever (Fig. 10) to bring the glowing igniter into contact with the wick. This will cause ignition to occur.
- As soon as you see that the wick has been lit, release the ignition lever. This will automatically lower the burn chamber back down over the wick.
- Rotate the burner knob from side to side a few times to make sure that the burner is positioned properly on the wick adjuster. (Fig. 11)
- Then begin following the steps outlined in "Adjusting the wick" (page. 8)

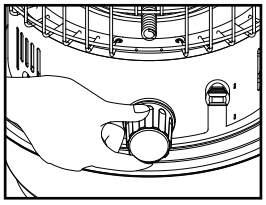


Fig. 9

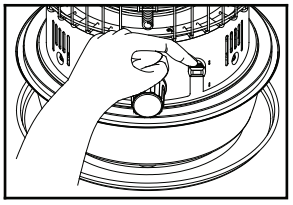


Fig. 10

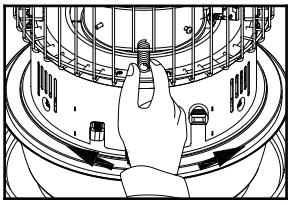


Fig. 11

IGNITION VIA MATCH

If you encounter a problem with the ignition mechanism, or if you have dead batteries, it is possible to light the heater with a match. (Fig.12)

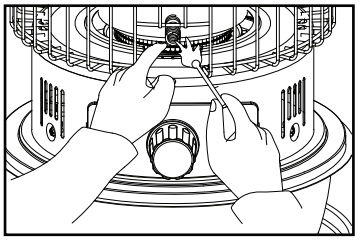


Fig. 12

The procedure is as follows:

- Turn the wick adjuster knob clockwise until the wick has been raised to its maximum height.
- Lift the burn chamber by using the burner knob.
- Touch a lighted match to the exposed top edge of the wick.
- Once you see that the wick has been lit, lower the burn chamber back down over the wick.
- Rotate the burner knob from side to side a few times to make sure that the burner is positioned properly on the wick adjuster.
- Then begin following the steps outined in "Adjusting the wick" (page. 7)

CAUTION : Make sure that you do not leave the match, or any portion of it (match head, etc.) in the burner area. Debris left from the match can cause an uneven alignment of the burner and may result in smoke, incomplete combustion, odor, or fire.

7 CHECKING THE IGNITION SYSTEM

If the automatic ignition system fails to operate properly,

perform the following checks:

- **BATTERIES -2 "C"** cell batteries are located at the rear of the heater. Replace with new batteries. (Fig. 14)
- **IGNITER PLUG** - If the automatic ignition system still doesn't work after replacing the batteries, check the igniter plug. If the glow coil filament is broken, bent, or doesn't glow when engaged via the ignition lever, it must be replaced.
  CAUTION: Be sure igniter plug is Type "B", 2.5V DC, 1A only.

NEVER LEAVE THE HEATER UNATTENDED WHILE BURNING!

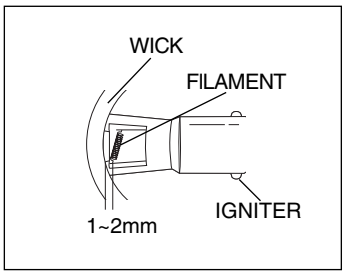


Fig. 13

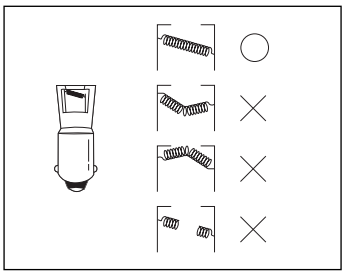


Fig. 14

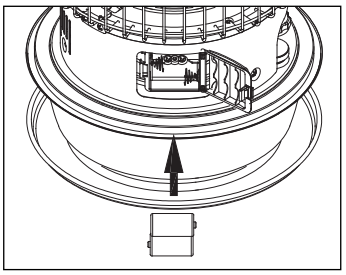


Fig. 15

To replace the igniter plug (Fig. 16);

- Remove the batteries.
- Remove the 2 Guard Bracket by removing 4 Screws and lift off the Guard grill assembly.
- Pull the igniter plug in and turn in a **clockwise** direction to remove.
- Install a new igniter plug (Type "B", 2.5V DC, 1A only) by pushing it in and turning it in a **counter-clockwise** direction.
- Reassemble the heater and replace the batteries.

- TEST IGNITION

  Using the wick adjuster knob, raise the wick to its maximum height. Push the ignition lever.
  The igniter plug should be within 1~2mm of the wick when the ignition lever is fully engaged. (Fig. 13)

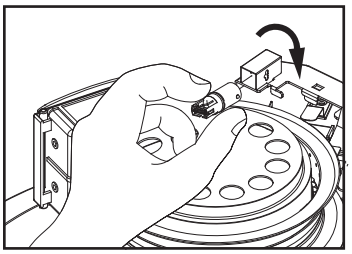
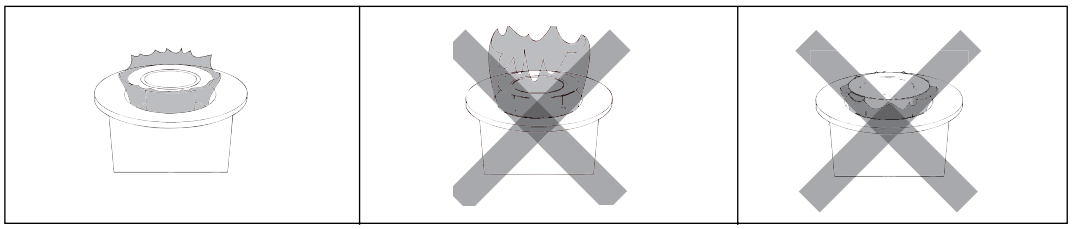


Fig. 16

8 ADJUSTING THE WICK

After lighting the heater, it is important to check the heater flame within the first 5-7 minutes of operation. During the first 5 minutes after ignition, the burner chamber warms up and flames will become visible at the top of burner. These flames will gradually build up. After 5-7 minutes of operation, you should use the wick adjuster knob to obtain the proper flame height. The proper flame height is a 1/2" flame above the center flame spreader disk, with even distribution of flame around the flame spreader disk visible through the glass cylinder of the heater. See pictures below for reference.
As you continue to operate the heater, the temperature of the heater and the temperature of the room will continue to change. As the heater warms up, the kerosene in the tank will vaporize faster, and this could require adjusting the wick adjuster down in order to maintain the desired 1/2" flame height. Therefore, it is necessary to continue to monitor the flame height, and to make adjustments using the wick adjuster knob to keep the proper flame height. It is recommended that the heater be checked every 30 minutes in order to keep the proper adjustment because periodic adjustment is required.



CORRECT FLAME	**FLAME TOO HIGH**	**FLAME TOO LOW**
Proper combustion	Can Produce smoke and soot	Can produce odor and carbon monoxide

IMPORTANT NOTE : **NEVER LEAVE THE HEATER UNATTENDED WHILE BURNING.**
Always make sure to turn the heater off and inspect it to insure that it is completely extinguished prior to going to bed.

NEVER LEAVE THE HEATER UNATTENDED WHILE BURNING!

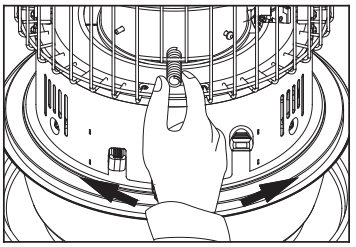


Fig. 17

NOTE : During start-up, small adjustments to the flame can be performed by using the burner knob on the front of the burner and **MOVING THE BURNER FROM SIDE TO SIDE** until the flame at the top of burner is as even as possible.
DO NOT TOUCH THE BURNER KNOB ONCE THE HEATER HAS REACHED NORMAL OPERATING TEMPERATURE AND THE FLAME HAS STABILIZED. THE BURNER KNOB IS VERY HOT DURING OPERATION.

IMPORTANT NOTE : This heater is designed to operate with a flame height of a 1/2" above the flame spreader disk at the top of the burner. For proper combustion to occur, it is **very important** that the flame height be adjusted so that it is neither too high, nor too low. Operating the heater at a wick setting below the minimum recommended setting (the wick-stop setting) could result in the risk of fire and / or carbon monoxide poisoning.

NOTE : If you find that the wick will not raise, push the safety reset lever (see diagram on P.2) to engage the safety shut-off device. Then dial the wick up via the wick adjuster knob.

WARNING : RISK OF INDOOR AIR POLLUTION AND FIRE, DO NOT OPERATE HEATER AT WICK SETTING LOWER THAN MINIMUM WICK-STOP SETTING.

⑨ WICK MAINTENANCE / DRY BURN

Wick maintenance is necessary to prevent soot production, low heat output and performance issues. Carbon and tar will build up on the top of the wick during regular use of this product. Wick maintenance is required within the first seven (7) days of your first use of the heater and every 2 tankfuls of fuel and/or every week during the heating season. If the wick feels hard and brittle, this indicates that wick maintenance is necessary in order to keep your heater performing accordingly.

Check Your Wick Often!

- If the wick is hard to light.
- If the wick is hard to raise or difficult to adjust by turning the wick adjustment knob.
- If the wick fails to drop completely when you press the shut-off knob.
- If the top of the wick is stiff and hard.

Note: Poor fuel or fuel contaminated with water will also turn the wick hard.

⑩ PERFORMING WICK DRY BURN / REMOVING CARBON FROM THE WICK

"Dry burning" your heater will cause a strong odor. For this reason it is best to "dry burn" your heater outdoors on a day that is completely calm and windless. If it's too windy outside you can consider a porch, breezeway or other room with all of the windows open to disperse the strong odor.

Step 1 With your fuel tank nearly empty, burn your heater (without refilling) until the flame starts to burn out then raise the wick to its highest possible setting and leave it there until it burns out completely. Wait 60 minutes, then re-light the wick (with a match if necessary) and allow it to burn out again. Once the heater is cool to the touch, remove the cabinet and brush the top of the wick with an old tooth brush or other stiff bristle brush to remove any remaining ash. A canister type vacuum cleaner may be a useful tool in removing this ash.

Step 2 The first step should remove most carbon and your wick should feel softer to the touch. If any part still feels hard, you can use small pliers to pinch these hard spots and break up the carbon into pieces. After doing this, replace the cabinet, add a small amount of fuel, wait at least one hour and then repeat step 1.

Carry out Carbon Removal / Dry Burning within (7) seven days after your first use of your new heater to reduce carbon build-up on the wick's burning surface, after every two tankfuls of fuel and/or every week during the heating season. Afterwards, dry burn your heater anytime the wick appears to be hard. CHECK YOUR WICK OFTEN! Dry burn your wick and remove all fuel from your heater at the end of the heating season.

Note: Burn your heater dry, as noted above, weekly during the heating season or necessary thereafter. Check your wick often to see if CARBON REMOVAL / DRY BURNING is necessary. Carbon removal will NOT be effective if your fuel has been contaminated by water or any other liquid. In this case you must clean the fuel tank, replace the wick and soak it for 60 MINUTES in fresh, K-1 Kerosene.

NEVER LEAVE THE HEATER UNATTENDED WHILE BURNING!

11 WICK ASSEMBLY- Check at least once a month!!

The burner assembly sits on top of the wick guide. Over time, tar deposits can accumulate on the wick guide, and this can prevent the burner assemby from seating properly. This can result in poor combustion, smoke, odor, etc.. To prevent this from happening, tar deposits on the wick guide can be removed as follows:

- Making sure that the heater is both cool and turned off, lower the wick to the "off" position.
- Remove the batteries (located at the rear of the heater).
- Remove the 2 guard bracket by removing 4 screws and lift off the grill assembly as shown in illustration. (Fig. A)
- Remove burner charnber.
- Using the wick adjuster knob, raise the top of the wick until it is even with the top of the wick guide. Using a flat-edge screwdriver, scrape off the tar deposits. Be careful not to allow any of the tar deposits to drop into the grooves of the wick guide. A small vacuum cleaner can be used to remove the tar deposits that have been scraped off (Fig.B).
- Reassemble the heater and replace the batteries.

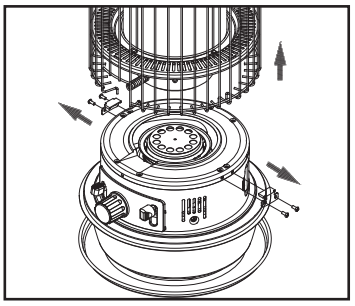


Fig.A

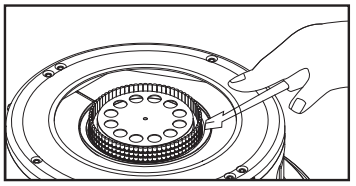


Fig.B

12 WICK REPLACEMENT

The wick in your heater needs replacing if, after repeated cleanings, any of the following conditions still exist: slow to light, hard movement of the wick adjuster knob, kerosene odor while burning, low heat output, slow warm up, damaged wick.

Use only a genuine replacement wick.

If cleaning the Wick does not improve performance, you will need to replace the Wick Refer to the "TROUBLE SHOOTING GUIDE", see page 14. which outlines conditions under which the Wick should be replaced.

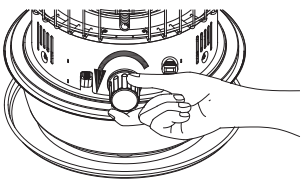
CAUTION : Use ONLY a genuine Replacement Wick. DO NOT attempt to substitute any other type of Wick device or a Wick designed for another brand or model heater You could damage the heater and create a potential fire hazard.

Call customer service at 1-877-447-4768, to order wick.

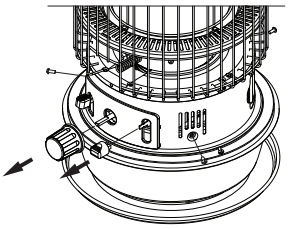
ATTENTION : The only tools needed to replace the Wick are :

- A Pair of Pliers
- A Cross Screwdriver
- A Plastic Bag with a Twist Tie

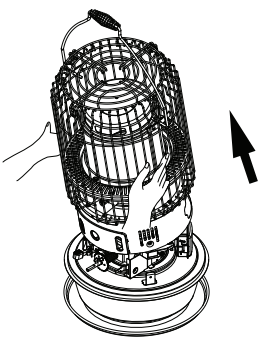
1. Push down the manual shut-off Knob and turn the Wick Adjustment Knob COUNTERCLOCKWISE in the direction of "OFF".



2. Use screwdriver to loosen and remove 3 screws that fix cabinet base to fuel tank. Remove the Wick-Adjuster Knob and Ignition Knob.

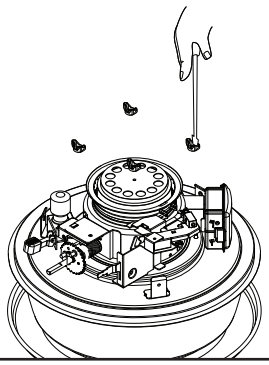


3. Tilt slightly and lift up the Cabinet & Grill assembly using both hands and lift away from the heater.

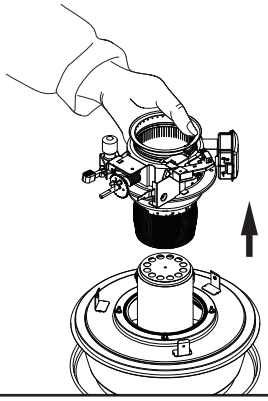


NEVER LEAVE THE HEATER UNATTENDED WHILE BURNING!

4. Remove 4 wing nuts with flat blade screw driver.

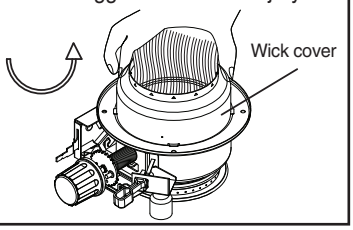


5. Lift the wick adjuster assembly straight up and away from the heater.

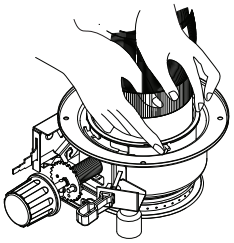


6. Hold the wick assembly up-side-down, using caution, grasp the wick cover firmly PULL it off with a sharp tug. If you have difficulty doing so, try loosening the wick cover with a flat blade screwdriver.

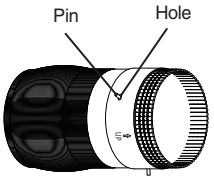
CAUTION : The inside of wick cover has sharp teeth. The use of work gloves is suggested to avoid injury.



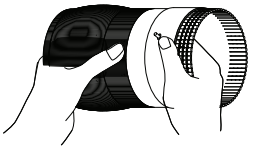
7. Remove the wick by folding it to the inside. Then remove the wick sleeve from the bottom of the assembly



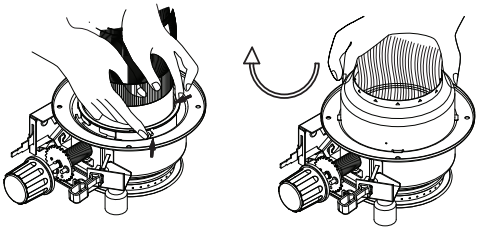
8. Install the new wick and insert the 3 pins on a new wick into the 3 holes on the wick sleeve in the upward direction. (See the arrow marked “up” on the wick sleeve)



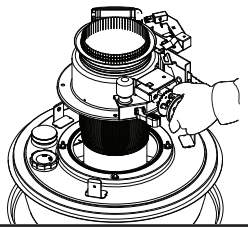
9. Push the new wick into the retainer teeth of the wick sleeve so that the wick adheres tightly around the inside ot the wick sleeve, smoothing out any wrinkles.



10. Line up the pins with the slotted holes inside the wick adjuster. then of the wick (now attached to the wick sleeve) toward the inside insert the three pins into the slanted grooves of the wick adjuster. Press on each of the three pins, inserting them securely in the holes.

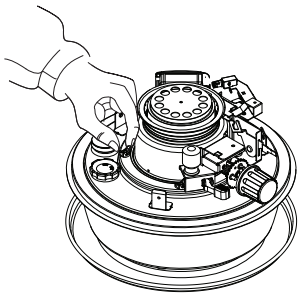


11. 1) Turn the wick adjustment knob to the fully raised position.
2) Pull lightly on the skirt of the wick to remove any slack.
3) Press lightly to secure the skirt to the retaining and remove any slack.
4) You will need to hold the knob to keep the wick at the highest position.

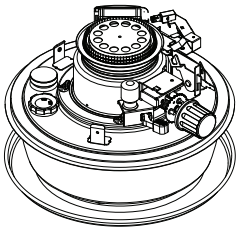


NEVER LEAVE THE HEATER UNATTENDED WHILE BURNING!

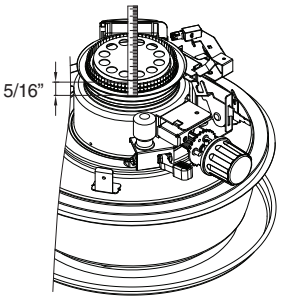
12. Snug 4 wing nuts on the mounting stud, but do not tighten.



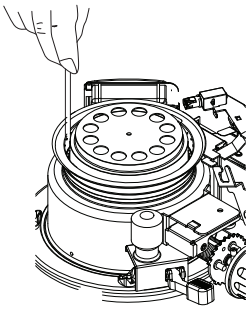
13. Raise the wick to the full “up” position, and evenly tighten wing nuts in several steps.



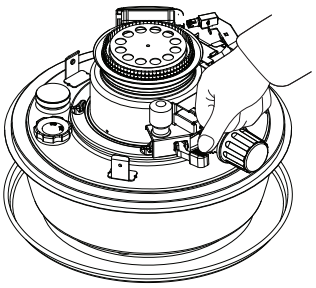
14. Check height of wick. It should be 5/16” above collar



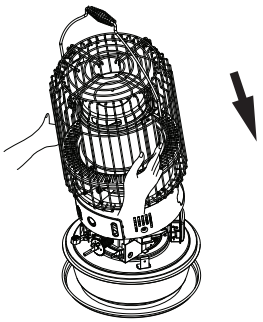
15. Check for correct clearance between wick holder and draft tube. It should be the same all around.



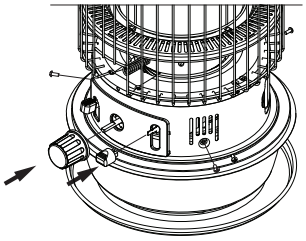
16. Check the function of safety shut-off mechanism by pushing the extinguish button to upset the pendulum.



17. Tilt the Cabinet & Grill assembly slightly using both hand and replace on heater from front to rear.



18. Fasten the Cabinet & Grill assembly to the heater with 3 screws. Replace the Wick-Adjuster Knob and ignition Knob to the heater.



NEVER LEAVE THE HEATER UNATTENDED WHILE BURNING!

13 EXTINGUISHING THE HEATER

To extinguish the heater, push down on the manual shut-off knob(Fig.18) with one hand while holding the wick adjuster knob in the other hand. You will feel the pressure of spring action attempting to turn the wick adjuster knob in a counter-clockwise direction in your hand. By slowly relaxing your grip on the wick adjuster knob, you will allow the spring to gradually lower the wick and extinguish the flame. When there is no further pressure from the spring action, confirm that the wick has been fully lowered by turning the wick adjuster knob in a counter-clockwise direction as far as it will go.
After 10-15 seconds, open the door on the body of the heater, lift the burner using the burner knob, and visually confirm that there are no flames present. This will confirm that the heater is completely extinguished.

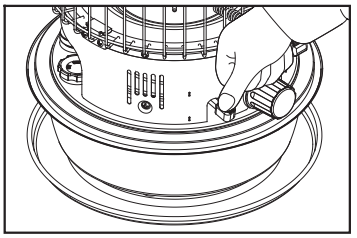


Fig. 18

CAUTION : After extinguishing the heater, **allow at least 10 minutes before reigniting the heater.** This allows the heater time to cool off and return to a normal temperature. Failure to allow the 10 minute cooling off period before reigniting the heater will result in the creation of a strong odor and possible flare-up.

WARNING : Carbon and tar can build up on the wick after the heater has been in use for a while. This can interfere with the ability of the wick to be lowered into the body of heater, and can result in the flame not extinguishing completely. It is the responsibility of the owner to inspect the wick, to maintain proper maintenance of the wick, and to replace the wick when necessary in order to prevent the build up of carbon and tar from creating a dangerous situation where the heater does not fully extinguish.

14 AUTOMATIC SAFETY SHUT-OFF DEVICE

This heater is equipped with an automatic safety shut-off device. The purpose of this device is to quickly and efficiently shut-off the heater should the heater be jarred or tipped over while in operation. This is the main safety system that is built into the heater, and it functions to prevent the flame from spreading if the heater is knocked over.

The automatic safety shut-off device is built into the mechanism that raises and lowers the wick. It has been designed so that if the pendulum is jarred by a shock of some sort, it retracts a latch from the wick control shaft ratchet, and a torsion spring reacts to drop the wick to its fully lowered position. This rapid lowering of the wick extinguishes the flame.

If you find that the wick will not raise, push the safety reset lever (see diagram on P.2) to engage the automatic safety shut-off device. Then dial the wick up via the wick adjuster knob.

IMPORTANT NOTICE : For the safety shut- off device to function properly, the wick must be free of carbon and tar deposits. Regularly performing the "Carbon Removal / Dry burning" procedure described in the "Wick Maintenance" and "Carbon Removal / Dry Burning" sections on page 10 is very important to the proper functioning of this important safety device.

IMPORTANT NOTICE : PLEASE CHECK THE SAFETY SHUT-OFF DEVICE ONCE A WEEK DURING THE HEATING SEASON TO INSURE THAT IT IS FUNCTIONING PROPERLY.

IMPORTANT NOTICE : EVERY TIME THE WICK IS REMOVED OR REPLACED, THE SAFETY SHUT-OFF DEVICE MUST BE TESTED TO INSURE THAT IT IS FUNCTIONING PROPERLY.

NEVER LEAVE THE HEATER UNATTENDED WHILE BURNING!

TESTING THE SAFETY SHUT-OFF DEVICE : At least once a week during the heating season, it is important to test the safety shut-off device to be sure that it is operating properly. **WITH THE HEATER TURNED OFF,** raise the wick using the wick adjuster knob to the fully raised position. Grabbing the protective grille, give the heater a firm shake. If the safety shut-off device is working properly, you will hear a loud noise as the ratchet is disengaged and the torsion spring drops the wick into the body of the heater. To verify that the wick has been completely lowered, turn the wick adjuster knob in a counterclockwise direction. If the safety shut-off device is functioning properly, the wick will have been completely lowered. If you are able to lower the wick further using the wick adjuster knob, this means that it is time to perform the "Carbon Removal Dry Burning" procedure described on page 8 again.

⑮ LONG TERM STORAGE OF YOUR HEATER

Carefully following the instructions for storage given below will insure that your heater will operate efficiently and safely next season (Fig.19/ Fig.20).

- Using a small amount of kerosene, swirl and rinse the inside of the tank. **NEVER** mix water with the kerosene as it will cause rust inside the tank. Pour the kerosene out making sure that you remove it all.
- With the fuel tank empty, ignite the heater. With the wick at its maximum height, keep the wick burning until it burns out completely (about 1 hour). It is a good idea to do this outside or in an extremely well- ventilated area.
- Remove the batteries. Remove the 2 cabinet screws and lift off the the cabinet and grille assembly. Remove the burner. Remove the wick adjuster from the fuel reservoir. Throughly dry the inside of the fuel tank. Using a screwdriver and/or a brush, remove any carbon, tar or soot that might have accumulated on the wick adjuster, wick guide or burner.
- After a thorough cleaning, reassemble the heater. It is important when reassembling the wick adjuster to be sure to maintain an equal gap between the wick adjuster and the wick guide cylnder all around. See "Wick Replacement" on page7 for reference.
- Remove the batteries from the battery case before storing the heater to prevent leakage and corrosion.
- Store the heater with the wick in the fully lowered position and the safety shut-off device deactivated.
- Store the heater in the original box with the original packing material and keep the **OWNER'S MANUAL** with the heater. Store in an area that is well- ventilated.

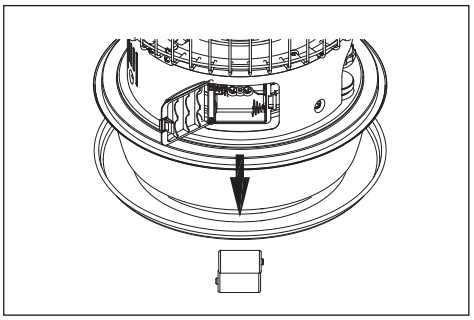


Fig. 19

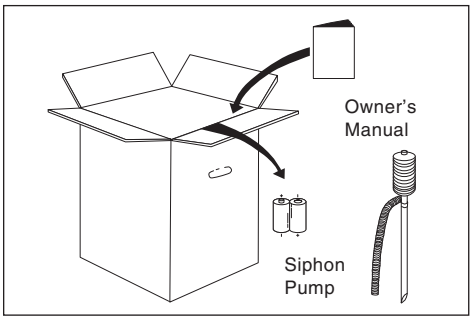


Fig. 20

NEVER LEAVE THE HEATER UNATTENDED WHILE BURNING!

⑯ TROUBLE SHOOTING GUIDE

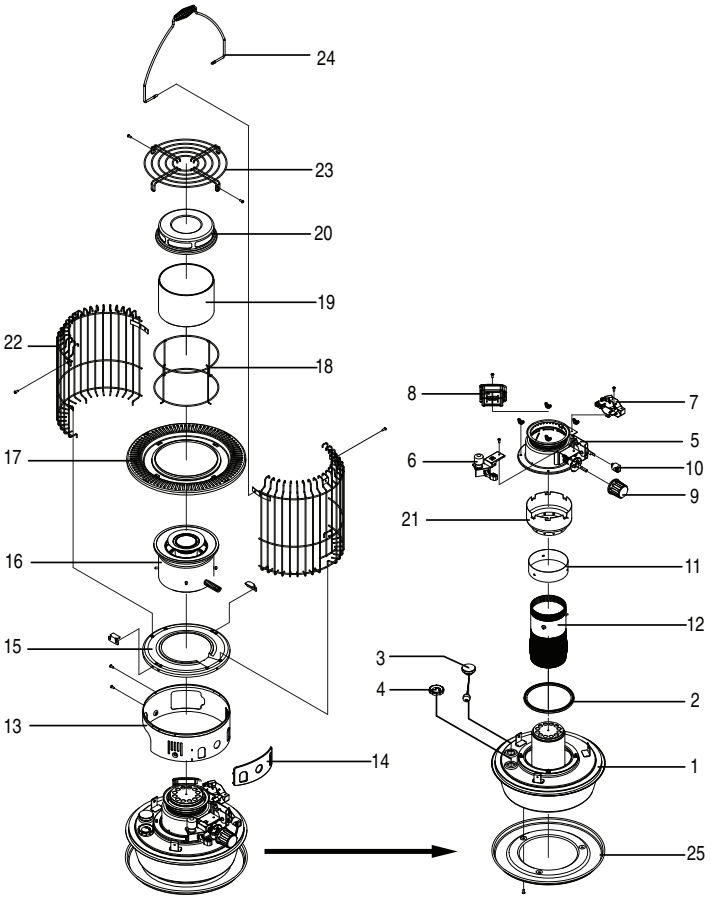
TROUBLE	CORRECTIVE ACTION
Heater Will Not Light ;	
1. Fuel tank is empty	1. Fill tank with **water-clear 1-K kerosene.**
2. Water present in kerosene	2. Drain tank. Remove wick assembly & replace wick. Reinstall wick assembly. Fill tank with **water-clear 1-K kerosene.**
3. Igniter plug fails to glow	3. Replace batteries. Replace igniter plug. Check for broken or disconnected wire.
4. Igniter plug makes contact with side of wick	4. Lower wick using wick adjuster knob until igniter plug makes contact with top of wick.
Heater Produces Smoke or Odor ;	
1. Flame is too high	1. Using wick adjuster knob, lower wick to desired 1/2" flame.
2. Heater is in an air draft	2. Move heater out of air draft.
3. Burner is not level	3. Using burner knob, rotate burner from side to side until it seats properly over wick.
4. Carbon or tar built up on wick	4. Perform "Carbon Removal / Dry Burning" procedure. Replace wick if necessary.
5. Contaminated kerosene	5. Drain tank. Remove wick assembly & replace wick. Reinstall wick assembly. Fill tank with **water-clear 1-K kerosene.**
Flame Flickers or Dies ;	
1. Water present in kerosene	1. Drain tank. Remove wick assembly & replace wick. Reinstall wick assembly. Fill tank with **water-clear 1-K kerosene.**
2. Carbon or tar built up on wick	2. Perform "Carbon Removal / Dry Burning" procedure. Replace wick if necessary.
Wick Burning Down Excessively ;	
1. Dangerous, volatile fuel mixed with kerosene (gasoline, benzene, alcohol, white gas, paint thinner, camp, stove fuel, oil compound)	1. Drain and clean tank – Remove and replace wick – Fill tank with **water-clear 1-K kerosene.**
Wick Adjuster Sticks ;	
1. Water present in kerosene	1. Drain tank. Remove wick assembly & replace wick. Reinstall wick assembly. Fill tank with **water-clear 1-K kerosene.**
2. Carbon or tar built up	2. Perform "Carbon Removal / Dry Burning" procedure. Replace wick if necessary.
Wick will not raise ;	– Push the safety reset lever (see diagram on P.2) to engage the automatic safety shut-off device. Then dial the wick up via the wick adjuster knob.
Heater is enveloped in flames ;	– Call Fire Department. – Smother flames with fire extinguisher or sand. Otherwise smother flames with blankets and then throw water on blankets. Do not throw water directly on the heater itself.

⑰ PARTS LIST

DRAWING NUMBER	DESCRIPTION	PART NUMBER
1	TANK ASS'Y	2111-0066-01
2	GASKET-TANK	3321-0035-00
3	FUEL-INDICATOR ASS'Y	2112-0017-00
4	FILL CAP ASS'Y	2121-0007-00
5	WICK CASE ASS'Y	2113-0028-00
6	SAFETY SHUT-OFF ASS'Y	2116-0005-00
7	IGNITION ASS'Y	2117-0011-00
8	BATTERY CASE ASS'Y	2118-0031-00
9	WICK ADJUSTER KNOB	2117-0009-00
10	KNOB IGNITION	3231-0150-00
11	WICK HOLDER	3121-0508-00
12	WICK	2114-0034-00
13	CABINET BASE	3111-0291-00
14	PANEL-NAME PLATE	3121-0509-00
15	CABINET BASE TOP	3111-0292-00
16	BURNER ASS'Y	2112-0043-00
17	MIDDLE PLATE	3111-0293-01
18	GRILLE - GLASS FIX	3561-0073-00
19	GLASS - CYLINDER	3631-0021-00
20	TOP PLATE	3111-0295-01
21	GRILLE FRONT	2114-0021-01
22	GRILLE REAR	2114-0022-01
23	TOP GRILL	2114-0023-01
24	HANDLE HANGER	3561-0074-01
25	DRIP TRAY	3111-0245-00

⑱ EXPLODED PARTS DRAWING

NOTE : SPECIFY MODEL NUMBER AND
PART NUMBER WHEN ORDERING PARTS.



⑲ SPECIFICATIONS

Model No.		WK11C8
Type of Heater		Convection
Heat Output		Max. 10,500 BTU/hr
Fuel Tank		Integral
Tank Capacity		1.1 U.S. gallons
Continuous Combustion Time		Approx. 8~12 hr
Max. Fuel Consumption		0.079 U.S. gallons/hr.
Ignition Method		Battery-C Cell x2, Igniter Type "B"
Weight(empty)		Approx. 14.4 lbs
Dimensions	Height	21.3 inches
	Width	12.6 inches
	Depth	12.6 inches
Wick Height		5/16 IN. (8mm)

Warranty

LIMITED WARRANTY:

This limited warranty is extended to the original retail purchaser of this Forced Air/Convection/Radiant Heater and warrants against any defect in materials and workmanship for a period of one (1) year from the date of retail sale. GHP Group, Inc., at it's option, will either provide replacement parts or replace or repair the unit, when properly returned to the retailer where purchased or one of our service centers as directed by GHP Group, Inc., within one (1) year of retail purchase. (Shipping costs, labour costs, etc. are the responsibility of the purchaser.)

DUTIES OF THE OWNER:

This heating appliance must be operated in accordance with the written instructions furnished with this heater. This warranty shall not excuse the owner from properly maintaining this heater in accordance with the written instructions furnished with this heater. A bill of sale, canceled check or payment record must be kept to verify purchase date and establish warranty period. Original carton should be kept in case of warranty return of unit.

WHAT IS NOT COVERED:

1. Damage resulting from use of improper fuel.
2. Damage caused by misuse or use contrary to the owners manual and safety guidelines.
3. Damage caused by a lack of normal maintenance.
4. Fuses
5. Use of non-standard parts or accessories.
6. Damage caused in transit. Freight charges on warranty parts or heaters to and from the factory shall be the responsibility of the owner.

This warranty does not imply or assume any responsibility for consequential damages that may result from the use, misuse, or the lack of routine maintenance of this heating appliance. A cleaning fee and the cost of parts may be charged for appliance failures resulting from lack of maintenance. This warranty does not cover claims which do not involve defective workmanship or materials. **FAILURE TO PERFORM GENERAL MAINTENANCE (INCLUDING CLEANING) WILL VOID THIS WARRANTY.**

THIS LIMITED WARRANTY IS GIVEN TO THE PURCHASER IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE. THE REMEDY PROVIDED IN THIS WARRANTY IS EXCLUSIVE AND IS GRANTED IN LIEU OF ALL OTHER REMEDIES. IN NO EVENT WILL GHP GROUP, INC. BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.

CLAIMS HANDLED AS FOLLOWS:

1. Contact your retailer and explain the problem.
2. If the retailer is unable to resolve the problem, contact our Customer Service Dept. detailing the heater model, the problem, and proof of date of purchase.
3. A representative will contact you. DO NOT RETURN THE HEATER TO GHP GROUP,INC. unless instructed by our Representative. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

TO REGISTER THE WARRANTY ON YOUR HEATER, PLEASE FILL OUT THIS CARD COMPLETELY
AND MAIL WITHIN 14 DAYS FROM DATE OF PURCHASE OR REGISTER ON-LINE AT www.ghpgroupinc.com

NAME: _____ PHONE: ( ) _____ EMAIL: _____
ADDRESS: _____ CITY: _____ STATE: _____ ZIP: _____
MODEL: _____ SERIAL #: _____ DATE PURCHASED: _____
DEALER PURCHASED FROM: _____ TYPE OF STORE: _____
CITY & STATE WHERE PURCHASED: _____ PRICE PAID: _____

Please Take a Minute To Give Us Your Answers To The Following Questions.

All Responses Are Used Solely For Market Research And Are Held In Strict Confidence.

Who primarily decided this purchase? ☐ Male ☐ Female ☐ 18-24 ☐ 25-39 ☐ 40-59 ☐ 60 and over
Purpose of Purchase? _____
Do you own any other portable heaters? ☐ Yes ☐ No If yes, type_____brand_____
How do you intend to use your new heater? ☐ Construction Site ☐ Farm ☐ Warehouse/Commercial ☐ Garage/Outbuilding ☐ Other
How did you become aware of this heater? ☐ In-Store Display ☐ Newspaper Ad ☐Magazine Ad ☐ Friend/Relative
☐ TV Commercial ☐ Store Salesperson ☐ Other _____
What made you select this heater? ☐ Style ☐ Size/Portability ☐ Price ☐ Package ☐ Brand ☐ Other _____
Do you: ☐ own ☐ rent Would you recommend this heater to a friend? ☐ Yes ☐ No
Please give us your comments:_____

THANK YOU FOR COMPLETING THIS FORM!
Information will be held confidential.

WARRANTY REGISTRATION

IMPORTANT: We urge you to fill out your warranty registration card within fourteen (14) days of date of purchase. You can also register your warranty on the internet at www.ghpgroupinc.com. Complete the entire serial number. Retain this portion of the card for your records.

GHP Group, Inc.
8280 Austin Ave.
Morton Grove, IL 60053-3207

Tel: (877) 447-4768
www.ghpgroupinc.com

SAVE THIS CARD!

Place
Postage
Stamp
Here

GHP Group, Inc.
8280 Austin Avenue
Morton Grove, IL 60053-3207